

wherein said optical means comprises different numerical apertures for converging the light flux on said first layer of corresponding one of said N types of optical discs and said optical means converges said light flux as a smaller spot diameter D by employing a larger one of said effective numerical apertures, with respect to one of said optical discs having a thinner one of said first layers.

wherein thicknesses of said first layers of said N types of optical discs are about 1.2mm or less than 1.2mm.

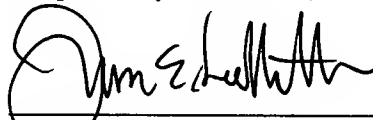
(c) a systems controlling means coupled to said converging means for moving said converging means relative to the optical discs loaded in said apparatus to traverse a recording track thereof; and

(d) a signal processing means coupled to said photo detecting means for encoding or decoding said information signal. --

REMARKS

Early and favorable consideration of this application is respectfully requested.

Respectfully submitted,



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